

82437-6

1/3/2014

1/9

 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Biopesticides and Pollution Prevention Division (7511C) 1200 Pennsylvania Avenue NW Washington, DC 20460</p>	EPA Reg. Number: <b>82437-6</b>	Date of Issuance: <b>JAN 03 2014</b>
	Term of Issuance: <b>Unconditional</b>	
	Name of Pesticide Product: <b>Prostim L</b>	

**NOTICE OF PESTICIDE:**  
 Registration  
 Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

**K & W Agrichemicals, Inc.  
P.O. Box 640  
Hockessin, DE 19707**

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

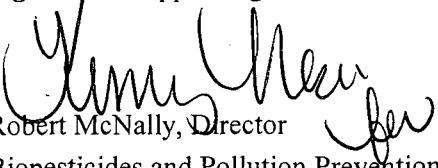
On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This registration does not eliminate the need for continual reassessment of the pesticide. If the EPA determines at any time that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is unconditionally registered in accordance with FIFRA Sec. 3(c)(5) and is subject to the following terms:

1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Revise the EPA Registration Number to read, "EPA Reg. No. 82437-6."
3. Submit an acceptable data package within 18 months of the date of registration for the following Guideline Studies: OCSPP 830.6317 (Storage Stability) and OCSPP 830.6320 (Corrosion Characteristics) for one year.
4. Submit three (3) copies of the revised final printed labeling before you release the product for shipment.

A stamped copy of the label and an A-79 Enclosure are enclosed for your records.

Signature of Approving Official:  Robert McNally, Director Biopesticides and Pollution Prevention Division (7511P)	Date: <b>1/3/14</b>
--	------------------------

EPA Form 8570-6		CONCURRENCES					
SYMBOL		7511P	7511P				
SURNAME		Bryceland	McNally				
DATE		1-3-14	1/3/14				

2/9

# PROSTIM™ L

Successful Transplanting & Promotes Plant Growth  
Master Label for Agricultural Uses  
and Turf and Ornamental Uses  
Not for Use, Sale, or Resale in California

anting  
bel for  
and O  
ale, o

<b>ACTIVE INGREDIENTS:</b> .....	By wt.
3-Indolebutyric acid (IBA).....	0.85%
Cytokinin, as Kinetin.....	0.15%
<b>OTHER INGREDIENTS</b> .....	<u>99.00%</u>
<b>TOTAL</b> .....	100.00%

## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
HOT LINE	
Have the product container or label with you when calling a poison control center, or going for treatment. For general product information, call Agrowchem, Inc. at 613-583-8337 between the hours of 9:00 a.m-4:00 p.m. CST.	

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation, Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gums, using tobacco or using toilet.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

EPA Reg. No: 82437-xx

EPA Est. NO: xxxxx-xx-xxx

Net Contents: One Gallon (3.785L)

Formulated for:  
K&W Agrichemicals, Inc.  
9127 Highway 431 South  
Owens Cross Roads, AL 35763

# ACCEPTED

1-3-14

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg. No. 82437-6

8/9

**PERSONAL PROTECTION EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants,
- Chemical resistant gloves Category A, such as butyl rubber  $\geq$  14 mils, or natural rubber  $\geq$  14 mils, or neoprene rubber  $\geq$  14 mils or nitrile rubber  $\geq$  14 mils and shoes plus socks.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**PHYSICAL OR CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame.

For chemical spill leak, fire or exposure, call K&W Agrichemicals, Inc. at 256-725-3533.

**USER SAFETY RECOMMENDATIONS****Users should:**

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**DIRECTIONS FOR USE:**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during applications. For any requirements specific to your State or Tribe, consult the state or tribal agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses that are covered by the Worker Protections Standard. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours. PPE required for early entry to treated areas that is permitted under the Worker Protections Standard and that involves contact with anything that has been treated such as plans, soil, or water is:

- Coveralls
- Chemical resistant gloves Category A, such as butyl rubber  $\geq$  14 mils, or natural rubber  $\geq$  14 mils, or neoprene rubber  $\geq$  14 mils or nitrile rubber  $\geq$  14 mils
- Shoes plus socks

**GENERAL INFORMATION**

PROSTIM™ L contains two (2) plant growth regulators (PGRs) found in nature that stimulate seeding and plant growth and improve root development. PROSTIM™ L contains vitamins that aid transplanting and plant growth.

**CHEMIGATION USE DIRECTIONS**

Apply through fixed or standing irrigation systems or through foliar applications. Foliar applications are preferred. Apply this product only through the following types of irrigation systems:

4/9

1. Sprinkler including big gun, solid set or hand move irrigations systems.
2. Calibrated overhead watering booms
3. Drip (or micro sprinkler) irrigation systems.

Before applying this product through any type of irrigation system, perform a small-scale trial to determine if products performance and phytotoxicity results are acceptable. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems), used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person shall shut the system down and make necessary adjustments should the need arise.

### **CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS**

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of a least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is not water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Agitate the pesticide supply tank throughout the application of PROSTIM™ L. Except for turfgrass, apply PROSTIM™ L at the rate of 20 fl. oz. per acre at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop. Fill the supply tank one-half full with water, add the appropriate amount of PROSTIM™ L to the tank and finish filling the tank with water.

### **DRIP/TRICKLE OR SPRINKLER CHEMIGATION**

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials

that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment (this statement only applies to sprinkler chemigation). Agitate the pesticide supply tank throughout the application of PROSTIM™ L. Except for turfgrass, apply PROSTIM™ L at the rate of 20 fl. oz. per acre at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop.

### MINIMUM PROSTIM L FOLIAR SPRAY VOLUME (IN GALLONS) PER ACRE

Crop	Ground		Air
	Dilute	Concentrate	
Vegetables, Field Crops	15	--	5
Small fruits, vines, Miscellaneous	150	50	15
Tree Crops	400	50	20
Citrus	800	100	20

Spray volume applied per acre will differ depending upon the stage of plant growth, equipment used, and the specific crops.

**Compatibility:** PROSTIM™ L compatibility with other agricultural products requires testing for crop safety and performance prior to large-scale use. Products mixed with PROSTIM L must be **not** be in alkaline (pH >7) solution. PROSTIM™ L can be mixed with any product having a pH less than 7. If rain occurs within 2 hours after initial application, a repeat application may be necessary.

Spray volume applied per acre will depend on the equipment used and specific crop. Apply sufficient water volume to ensure thorough coverage.

6/9

**FOLIAR APPLICATION INSTRUCTIONS**

Crop	Amount of product in Fl. Oz.	Application timing	Remarks
Seedling Alfalfa, Clover, Hay		ing Alfa-	
Brassica vegetables such as: Broccoli, Cauliflower, Cabbage, and Mustard Greens		na, vegeta; duct C:	
Canola(oil)*		.	
Corn( Sweet, field and Popcorn)		.	Thorough spray coverage is necessary.
Cotton**		.	
Cucurbit Vegetables such as: Cucumber, Muskmelon, Cantaloupe, Summer Squash, Watermelon and Honeydew	2 fl. oz. per acre	1 <sup>st</sup> : At 2-4 true leaf stage 2 <sup>nd</sup> : 10-14 days after first application.	Repeat application at fruiting stage may be needed.
Fruiting vegetables such as: Eggplants, Peppers and Tomato.			
Leafy Vegetables such as: Celery, Head lettuce, Leaf lettuce and Spinach			
Legume Vegetables (Succulent or dry) such as: Peas, Soybean, all types of beans.			
Peanut			
Tuber Vegetables such as: Potato and Yam. Root Vegetables such as: Carrot, Radish, Turnip, Ginseng, Parsley (turnip-rooted) and Sugar Beet			
Rice			
Strawberry			
Soybeans***			
Sorghum			
Wheat			

7/9

Crop	Amount of product in Fl. Oz.	Application timing	Remarks
Citrus fruits such as: Sweet orange, Lemon and Grapefruit  Pome/Stone fruits such as: Apple, Apricot, Cherry, Plum, Plumcot and Peach	13 Fl. Oz. in 100 gallons of water	Apply when fruit size is 5 mm	Additional applications may be needed.

\*Tank mix with Glyphosate products registered for use on Roundup Ready® canola.

\*\*Can be tank mixed with Glyphosate products registered for use on Roundup Ready® cotton.

\*\*\*Tank mix with Glyphosate products registered for use on Roundup Ready® soybeans.

#### DRENCH APPLICATION OF PROSTIM L ON CROPS

Crop	Amount of PROSTIM™ L (fl. oz.)	Application Timing
Brassica Vegetables such as broccoli, cauliflower and cabbage.  Strawberry	1.3 fl. oz. per 10 gallons water	1 <sup>st</sup> treatment at time of transplant. 2 <sup>nd</sup> treatment 10-14 days after first application.  Spray immediately after transplanting.

#### IN-FURROW APPLICATION OF PROSTIM L ON CROPS

Crop	Amount of PROSTIM™ L (fl. oz.)	Application Timing
Field Corn Grain Sorghum Sugar Beets Sugarcane Wheat, Barley, Oats, Rye Other in-furrow at planting crops	2 fl. oz. per acre Or 1.3 fl. oz. per 10 gallons water	Apply at planting in the seed furrow or 2 inches beside and 2 inches below seed or with a strip till machine 3 inches below the seed.  Can be applied with or without starter fertilizer.

#### HYDROPONICS APPLICATION OF PROSTIM™ L ON CROPS

13 Fl. Oz. of PROSTIM™ L in 100 gallons reservoir to improve the root and plant growth.

#### TURFGRASS

**For Sod Grass:** Apply PROSTIM™ L by ground using 20-40 gallons of water per acre. Use 1.3 fl. oz per 10 gallons of water at a 1:1,000 dilution rate.

**For Turfgrass:** Warm and cool climate grasses such as St. Augustine, Bermuda, Centipede, bluegrass, Rye, and Fescue: Use 0.13-0.65 fl. oz./1-5 gallons of water per 1,000 sq. ft. For Dichondra: Use 0.65-1.3 fl. oz./1-5 gallons of water per 1,000 sq. ft.

8/9

Make application at 2-week intervals during the growing season.

### ORNAMENTALS

Greenhouse and nursery ornamentals such as foliage plants, bedding and flowering plants, woody ornamentals and garden grown fruit trees:

Dilute 0.85 fl. oz. of PROSTIM™ L in 10 gallons of water (1:1,500 dilution rate) for plants less than 2 years old. Dilute 1.3 fl. oz. of PROSTIM™ L in 10 gallons of water (1:1,000 dilution rate) for mature plants. Repeat application at 10- to 14-day intervals when required. Apply 1-2 weeks prior to sale. Uniform and thorough coverage is necessary.

### CUTTINGS

Soft wood, semi-hard wood, hard wood such as Dogwood, Douglas Fir, Forsythia, Hawthorne, Oak, Pine, Poplar:

Dip fresh cuttings in a solution of 1 part of PROSTIM™ L in 5 parts of water for hard wood cuttings for 3-5 seconds.

Dip fresh cuttings in a solution of 1 part of PROSTIM™ L in 10 parts of water for semi-hard wood cuttings for 3-5 seconds.

Dip fresh cuttings in a solution of 1 part of PROSTIM™ L in 20 parts of water for soft wood cuttings for 3-5 seconds.

It is necessary to follow plant propagation practices.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

#### PESTICIDE STORAGE:

Store in original container in a cool, dry locked place out of the reach of children and out of direct sunlight.

#### PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### CONTAINER DISPOSAL:

Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/43 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for alter use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### LIMITED WARRANTY AND DISCLAIMER

NOTICE: K&W Agrichemicals, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use. Buyer assumes all risks of use and handling which is a variance in any way with the directions herein. K&W Agrichemicals, Inc. makes no other express or implied warranty of fitness or merchantability. In no case shall K&W Agrichemicals, Inc. or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

K&W Agrichemicals, Inc., and Seller offer this product and the Buyer and user accept it, subject to the foregoing Limited Warranty and Disclaimer which may be varied only by agreement in writing signed by a duly authorized representative of K&W Agrichemicals, Inc.

K&W Agrichemicals, Inc.  
9127 Highway 431 South  
Owens Cross Roads, AL 35763